

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of: Jae-Eun LIM, et al.

Serial No.: New Application      Group Art Unit: Not Yet Assigned

Filed: December 16, 2003      Examiner: Not Yet Assigned

Title: METHOD FOR MANUFACTURING SHALLOW TRENCH ISOLATION IN  
SEMICONDUCTOR DEVICE

**INFORMATION DISCLOSURE STATEMENT**

Honorable Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

December 16, 2003

Sir:

As a means of complying with the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §§1.97 and 1.98, Applicant(s), through the undersigned attorney, submits this Information Disclosure Statement. The patents, publications or other information submitted herewith are listed on the attached Form PTO-1449 and copies are attached.

In accordance with 37 CFR §1.97(b)(1) or (2), this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, or within three months of the date of entry into the national stage of the above-identified application as set forth in 37 CFR §1.491. Accordingly, no fee is required.

Respectfully submitted,

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Atty. Dkt. No.: P69388US0  
YSH:dj

## **Information Disclosure Statement**

New U.S. Patent Application for  
METHOD FOR MANUFACTURING  
SHALLOW TRENCH ISOLATION  
IN SEMICONDUCTOR DEVICE  
Our Ref. No.: P03H8032/US/gy

Reference No.:

- (1) US Patent No. 6,177,333
- (2) US Patent No. 6,162,700

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## LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.: P69388US0 GROUP ART UNIT: Not Yet Assigned  
 SERIAL NO.: New Application FILING DATE: December 16, 2003  
 APPLICANT(S): Jae-Eun LIM, et al. TODAY'S DATE: December 16, 2003

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	INT'L CLASS	SUB- CLASS	FILING DATE (If Appropriate)	
_____	AA	<u>6,177,333</u>	<u>01/23/01</u>	<u>Rhodes</u>	<u>H01L</u>	<u>21/76</u>	<u>01/14/99</u>
_____	AB	<u>6,162,700</u>	<u>12/19/00</u>	<u>Hwang et al.</u>	<u>H01L</u>	<u>21/76</u>	<u>11/11/98</u>
_____	AC	_____	_____	_____	_____	_____	_____

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## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES) (NO)
_____	AD	_____	_____	_____	_____	<u>1</u>
_____	AE	_____	_____	_____	_____	<u>1</u>
_____	AF	_____	_____	_____	_____	<u>1</u>

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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

DATE CONSIDERED

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).